

**NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEW**

The drawing(s) filed (insert date) 10/21/99 are:

A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: <input checked="" type="checkbox"/> Black ink; Color drawings are not permitted to go with each other. <input checked="" type="checkbox"/> Color drawings are not acceptable until patent is granted. <input checked="" type="checkbox"/> Fig(s) _____ <input checked="" type="checkbox"/> Pencil and non black ink not permitted: Fig(s) _____		8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i): Words not appear on a horizontal left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____	
2. PHOTOGRAPHS. 37 CFR 1.84 (b) <input checked="" type="checkbox"/> 1 full-tone set is required. Fig(s) _____ <input checked="" type="checkbox"/> Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____ <input checked="" type="checkbox"/> Poor quality (half-tone). Fig(s) _____		9. SCALE. 37 CFR 1.84(b): Drawing not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____	
3. TYPE OF PAPER. 37 CFR 1.84(e) <input checked="" type="checkbox"/> Paper not flexible, strong, white, and durable. <input checked="" type="checkbox"/> Erasures, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) <u>L14F</u> <input checked="" type="checkbox"/> Mylar, velum paper is not acceptable (too thin). <input checked="" type="checkbox"/> Fig(s) _____		10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(f): Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) <u>L14F</u>	
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: <input checked="" type="checkbox"/> 21.0 cm by 29.7 cm (DIN size A4) <input checked="" type="checkbox"/> 21.6 cm by 27.9 cm (8 1/2 x 11 inches) <input checked="" type="checkbox"/> All drawing sheets not the same size. <input checked="" type="checkbox"/> Sheet(s) _____ <input checked="" type="checkbox"/> Drawings sheets not an acceptable size. Fig(s) _____		11. SHADING. 37 CFR 1.84(m): <input checked="" type="checkbox"/> Solid black areas pale. Fig(s) _____ <input checked="" type="checkbox"/> Solid black shading not permitted. Fig(s) _____ <input checked="" type="checkbox"/> Shade lines; pale; rough and blurred. Fig(s) _____	
5. MARGINS. 37 CFR 1.84(g): Acceptable margins: <input checked="" type="checkbox"/> Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm <input checked="" type="checkbox"/> SIZE: A4 Size <input checked="" type="checkbox"/> Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm <input checked="" type="checkbox"/> SIZE: 8 1/2 x 11 <input checked="" type="checkbox"/> Margins not acceptable. Fig(s) <u>L14F</u> <input checked="" type="checkbox"/> Top (T) <input checked="" type="checkbox"/> Left (L) <input checked="" type="checkbox"/> Right (R) <input checked="" type="checkbox"/> Bottom (B)		12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p): <input checked="" type="checkbox"/> Numbers and reference characters not plain and legible. Fig(s) <u>L14F</u> <input checked="" type="checkbox"/> Figure legends are poor. Fig(s) <u>L14F</u> <input checked="" type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) <input checked="" type="checkbox"/> Fig(s) _____ <input checked="" type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(2) <input checked="" type="checkbox"/> Fig(s) _____ <input checked="" type="checkbox"/> Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) <input checked="" type="checkbox"/> Fig(s) _____	
6. VIEWS. 37 CFR 1.84(h): REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) <input checked="" type="checkbox"/> Brackets needed to show figure as one entity. <input checked="" type="checkbox"/> Fig(s) _____ <input checked="" type="checkbox"/> Views not labeled separately or properly. <input checked="" type="checkbox"/> Fig(s) _____ <input checked="" type="checkbox"/> Enlarged view not labeled separately or properly. <input checked="" type="checkbox"/> Fig(s) _____		13. LEAD LINES. 37 CFR 1.84(q): <input checked="" type="checkbox"/> Lead lines cross each other. Fig(s) _____ <input checked="" type="checkbox"/> Lead lines missing. Fig(s) _____	
7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) <input checked="" type="checkbox"/> Hatching not indicated for sectional portions of an object. <input checked="" type="checkbox"/> Fig(s) _____ <input checked="" type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____		14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i): <input checked="" type="checkbox"/> Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____	
15. NUMBERING OF VIEWS. 37 CFR 1.84(u): <input checked="" type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____		16. CORRECTIONS. 37 CFR 1.84(w): <input checked="" type="checkbox"/> Corrections not made from prior PTO-948 dated _____	
17. DESIGN DRAWINGS. 37 CFR 1.152: <input checked="" type="checkbox"/> Surface shading shown not appropriate. Fig(s) _____ <input checked="" type="checkbox"/> Solid black shading not used for color contrast. Fig(s) _____			

COMMENTS

REVIEWER Taney DATE 11/30/99 TELEPHONE NO. _____

ATTACHMENT TO PAPER NO. 4

Attachment for PTO-948 (Rev. 03/01, or earlier)

6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may **NOT** be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Timing of Corrections

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.